## O SNCJE JEO A OBJECT ROBALOGGZO

Jet Propulsion Labo Pasade 4 п 100, 14. S. A. hia hisritute of Technology

of evidence presented in numerous reason estimates for the object's elemental conits implications for the ablation process time of its terminal explosion; (2) the period atmospheric fragmentation and by scismic studies of the event for the of issues addressed extensively in the secthe publication of my 1983 paper or the The progress in the understanding of characteristics and that the eventencounter unsurmountable diffice a concluded that hypotheses based or the observed with the cameras of the base (one cometary, one stony, both broag a Lovy 9 into Jupiter and the results of a co are the results now available on the irrovelocity, and for the orientation of its had not only plausible, but virtually of each ----

permined cometary origin of the object in restigations, which appeared following and deceleration of the impactor; and (3) tout by projectiles a few meters across) b set's proposed asteroidal nature. The bearing involves (1) the results yielded a arguska object is reviewed in the light action, for its preatmospheric mass and comparative study of two huge fiteballs stric orbit. Employed in the arguments of the fragments of Cornet Shoemaker s energy, altitude, and velocity at the ation in terms of a stony projectile is h of the above caregories of physical Network of fireball monitoring. N 18